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(54) **Inspection probe and system comprising a pulsed eddy current two-dimensional sensor array**

(57) A pulsed eddy current two-dimensional sensor array probe (12) for electrically conducting component inspection includes a drive coil (16) disposed adjacent to a structure under inspection, a pulse generator (20) connected to the drive coil (16) and operable to energize in a pulsed manner the drive coil (16) to transmit tran-

sient electromagnetic flux into the structure under inspection, and an array of sensors (18) arranged in a two-dimensional array and substantially surrounded by the drive coil (16) and operable to sense and generate output signals from the transient electromagnetic flux in the structure under inspection.

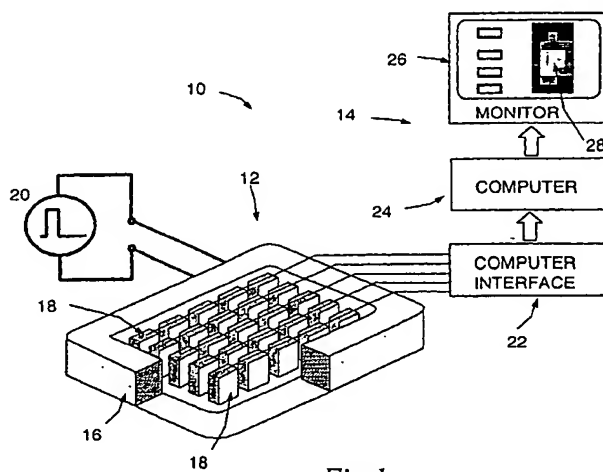


Fig. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 4028

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Y	US 5 391 988 A (KITAGAWA SHIGERU) 21 February 1995 (1995-02-21) * abstract * * column 1, line 23 - line 34 * * column 1, line 64 - column 2, line 6; figure 3 *	1-10	
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Place of search		Date of completion of the search	Examiner
THE HAGUE		24 October 2003	Wulveryck, J-M
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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